

Title (en)

DOCTOR BLADE APPARATUS FOR COATING APPARATUS

Publication

EP 0198432 A3 19880629 (EN)

Application

EP 86104938 A 19860410

Priority

US 72178285 A 19850410

Abstract (en)

[origin: EP0198432A2] A coater includes a gravuer roll rotatably mounted in a fountain of coating material. A doctor blade engages the roll and doctors material from the surface. A curved predactor deflector opens upstream of the material and has an inclined upper edge at about the level of the material to form a wedge-shaped gap forcing material into the roll. The deflector bottom is spaced from the fountain bottom to define a return path. A curved deflector at the doctor blade collects doctored material from the doctor blade and returns it to the return path. The predactor generates a reverse material flow in the fountain creating a pressure at the return path to create a smooth circulation of coating material and essentially constant level in the said container.

IPC 1-7

B41F 31/20; **B41F 31/02**

IPC 8 full level

B41F 31/02 (2006.01); **B41F 31/20** (2006.01)

CPC (source: EP US)

B41F 31/20 (2013.01 - EP US)

Citation (search report)

- [A] US 4497250 A 19850205 - DRESSLER FREDERICK K [US]
- [A] US 2399688 A 19460507 - METZNER ALBERT W, et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0198432 A2 19861022; **EP 0198432 A3 19880629**; **EP 0198432 B1 19931020**; AT E96092 T1 19931115; DE 3689176 D1 19931125; DE 3689176 T2 19940505; US 4615295 A 19861007

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